

Title (en)
Precision adjust split detent for a helicopter

Title (de)
Präzisionsarretierungen für einen Hubschrauber

Title (fr)
Encliquetages d'ajustement de précision pour hélicoptère

Publication
EP 2133768 B1 20120411 (EN)

Application
EP 09251109 A 20090416

Priority
US 10969608 A 20080425

Abstract (en)
[origin: US2009266940A1] A method and apparatus for a split detent tactile cueing control system comprising an inceptor, a position sensor, vehicle sensors, and a flight control computer. The inceptor can be moved into different positions measured by a position sensor. The vehicle sensors generate signals in response to detecting parameters about a vehicle during a flight. The flight control computer is coupled to the inceptor and the vehicle sensors. The flight control computer is capable of generating actuation signals used to generate tactile cues to generate a flight path hold detent and an altitude hold detent within the plurality of positions using a force feel profile and the parameters. An extension of a latch force from the flight path hold detent to the altitude hold detent is present during changes in vehicle direction. Series actuator compensation allows increased split detent separation with insignificant command overshoot.

IPC 8 full level
G05D 1/08 (2006.01); **B64C 13/14** (2006.01); **B64C 27/56** (2006.01)

CPC (source: EP US)
B64C 13/345 (2017.12 - EP US); **B64C 27/56** (2013.01 - EP US); **G05D 1/0607** (2024.01 - EP US); **G05D 1/0858** (2024.01 - EP US)

Cited by
CN105511441A; US10600259B2; US9381998B2; US10556678B2

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DOCDB simple family (publication)
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